

Call for Authors and Reviewers: Secure Control System Software

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Control systems and control devices automate the operation of society's most critical infrastructures and industrial processes. Originally designed with proprietary protocols for operation on private (closed) networks, control systems and devices had little or no exposure to external security threats and virtually no need for built-in security.

Today's prevailing trend toward ever-increasing network connectivity in support of improved business efficiency means that control systems and devices are increasingly being connected to IT business systems and therefore (indirectly) to the Internet. Moreover, modern control systems and devices are being developed to support open protocols, direct Internet access, and distributed web-enabled applications (such as remote configuration of control systems using a web browser). Hence, control systems and devices can now be exposed to the full range of cyber attacks that are the consequence of Internet connectivity.

The purpose of this new content area is to raise the awareness of practitioners and their managers about the critical security issues involved in control system software development and to lay the foundation for establishing best practices for building security into control systems from the outset.

Article Topics

Submissions for this content area may include new or previously published articles about these and similar topics:

- Control System Vulnerabilities, Threats, and Consequences
- How to Build In Control System Security
- Applying Secure Coding Practices to Control System Software
- Security Considerations for Control System Architectures
- Eliciting and Specifying Requirements for Control System Security
- Security Issues in Control System Operations and Incident Response
- Tamper-Resistant Control System Devices
- Monitoring and Auditing Control System Security
- User Interface Design for Secure Control Systems
- Risk Management and Business Case Issues for Control Systems

Further Information for Authors and Reviewers

For details on how to submit an article or to offer to serve as a reviewer, see the general announcement of the BSI Call for Authors and Reviewers¹. The announcement also describes other topic areas for which BSI editors are seeking authors and reviewers. If you would like any additional information, contact [bsi-submissions \[at\] sei.cmu.edu](mailto:bsi-submissions[at]sei.cmu.edu).

1. <http://buildsecurityin.us-cert.gov/bsi/900-BSI.html> (Call for Reviewers)